

Notice of Allowability	Application No.	Applicant(s)	
	09/922,468	WAYE ET AL.	
	Examiner	Art Unit	
	Shaima Q. Aminzay	2684	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to September 12, 2005.
2. ☒ The allowed claim(s) is/are 1,3-11 and 13-32.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☒ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ 7. <input type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____ |
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DETAILED ACTION

Allowable Subject Matter

1. Claims 1, 3-11, and 13-23 are allowed.

Reasons for Allowance

2. The following is an examiner's statement of reason for allowance:

The applicant filed amendment on September 12, 2005 in response to the non-final office action mailed on June 16, 2005, amendments to the independent claims 1, 11, and dependent claims 3, 13, puts the application in conditions for allowance, and further, the amendments to claims 1, 3, 11, 13 overcomes the objection to claims 3-9, and 13-23. The rejection regarding claims 1, 10, 11, the objection regarding claims 3-9, and 13-23 is withdrawn.

The prior art specifically Graham (Graham et al. U. S. Patent 5,697,067) failed to render obviousness and failed to anticipate the following underlined limitations:

"A radio frequency communication system for communicating radio frequency data signals containing data to and from remotely located data devices, said

system comprising: a radiating transmission line; a head end unit comprising a system server, said head end unit being coupled to a first end of the radiating transmission line; at least one regeneration amplifier connected to said transmission line for amplifying the data signals by demodulating the data signals to recover the data contained therein and modulating the recovered data into a regenerated radio frequency data signal containing the recovered data; said regeneration amplifier comprising: a demodulator for demodulating the data signals to recover the data contained therein; a modulator for modulating the recovered data into a regenerated radio frequency data signal containing the recovered data; a processor connected to the modulator and demodulator for receiving the recovered data from the demodulator and performing error detection and correction functions on the recovered data prior to modulating the recovered data, wherein the regenerated data signal is transmitted through the radiating transmission line at a power level permitting transmission and radiation of the regenerated radio frequency data signal to the remotely located data devices within a coverage area of the regeneration amplifier." as disclosed in claim 1.

"In a radio frequency communication system for communicating radio frequency data signals containing data to and from remotely located data devices through a radiating transmission line, a regeneration amplifier for amplifying the digital signals through the radiating transmission line, said regeneration amplifier

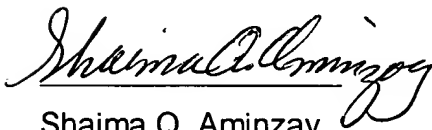
comprising: a demodulator for demodulating the data signals to recover the data contained therein; a modulator for modulating the recovered data into a regenerated radio frequency data signal containing the recovered data; an amplifier for amplifying the regenerated data signal for transmission through the radiating transmission line at a power level permitting transmission and radiation of the regenerated radio frequency data signal to the remotely located data devices within a coverage area of the regeneration amplifier; and a processor connected to the modulator and demodulator for receiving said recovered data from the demodulator and performing error detection and correction functions on said recovered data prior to modulating the recovered data" as disclosed in claim 11.


For these reasons, independent claims 1, and 11 are allowed. Claims 3-10, 22-23 are depend on the independent claim 1, claims 13-21 are dependent on the independent claim 11 are allowed under the same reasons set forth in claims 1 and 11.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shaima Q. Aminzay whose telephone number is 571-276-7874. The examiner can normally be reached on 7:00 AM -5:00 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on 571-272-7882. The fax number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Shaima Q. Aminzay
(Examiner)


NAY MAUNG
SUPERVISORY PATENT EXAMINER
Nay A. Maung
(SPE)

October 17, 2005

Art Unit 2684